

Winter School on

Contaminants of Emerging Concern (CECs) and Disinfection By-Products (DBPs):

Occurrence, Impact and Elimination



Speakers' Short Biographies

Workshop on Publishing Perspectives: Q&A in Chemical and Environmental Engineering Publishing

Suresh Pillai

Ireland

Session Chair



Head of Nanotechnology and Bio-Engineering Research Group at Atlantic Technological University, Executive Editor of the Chemical Engineering Journal and Results in Engineering, Elsevier

Suresh C. Pillai completed PhD from Trinity College Dublin, Ireland and then performed his postdoctoral research at the California Institute of Technology (Caltech), USA. He is the recipient of various awards, such as 'The Boyle-Higgins Award 2019', 'The Linus Pauling Lecture Award 2020', 'The Industrial Technologies Award 2011' and 'The Enterprise Ireland Research Commercialization Award 2009'. Currently, he is Executive Editor for the journals Results in Engineering and the Chemical Engineering Journal.

Despo Fatta-Kassinou

Cyprus

Speaker

Talk: How to Become a Successful and Responsible Author: Editor Perspectives



Professor at the University of Cyprus, Executive Editor of the Journal of Environmental Chemical Engineering and Editor of Water Research, Elsevier

She holds a Diploma and a PhD in Chemical Engineering from the National Technical University of Athens. Since 2003, she has attracted 14.4 million € as project coordinator/principal investigator. She is a Highly Cited Researcher since 2018. In 2022 she received the Noack Laboratorien Outstanding Science Career Award by The Society of Environmental Toxicology and Chemistry (SETAC).

Deirdre Dunne

Netherlands

Speaker

Talk: *The Publishing Landscape*



Executive Publisher of Elsevier for Chemical and Environmental Engineering, Elsevier

Deirdre has been with Elsevier since 2002 in a variety of publishing roles. She currently manages some of Elsevier's largest flagship journals in the field of Chemical and Environmental Chemical Engineering, including Chemical Engineering Journal, Journal of Hazardous Materials and Journal of Environmental Chemical Engineering.

Giovanni Palmisano

United Arab Emirates

Speaker

Talk: *Elsevier's Article Transfer Service and Its Impact on Environmental and Chemical Engineering Journals*



Professor at the Khalifa University, Deputy Director of the Research and Innovation Center on CO₂ and Hydrogen (RICH), Executive Editor of the Journal of Environmental Chemical Engineering, Elsevier

Giovanni is a scholar based in Abu Dhabi since 2014, and specialized in photo(electro)catalysis applied to energy, materials functionalization, environment and water. He is co-author of ca. 170 journal papers, 9 patents, 9 book chapters, and 7 books, including a textbook on heterogeneous catalysis. In the course of his career, he has been recipient of research awards and lately he has been listed among world's top 2% scientists by the Stanford University ranking.

Workshop on Publishing Perspectives: Q&A in Chemical and Environmental Engineering Publishing

Susana Rodrigues

Portugal

Session Chair/Speaker

Talk: EU Directive on Drinking Water: News and Challenges



Head of Quality Department, ERSAR, Entidade Reguladora dos Serviços de Águas e Resíduos

Susana Sá e Melo Rodrigues holds a PhD in Environment from NOVA School of Science and Technology (NOVA FCT). She graduated in Environmental Engineering in 2000 from Instituto Superior Técnico, Technical University of Lisbon, and has a postgraduate degree in Integrated Management and Waste Recovery from NOVA FCT (2006). With more than 20 years of professional activity in the environment area, particularly in water and waste sector, she has worked as a consultant and a technical and commercial director in the public and private sector, in central (INAG, ERSAR) and local public administrations (HPEM, SMAS de Sintra) and in leading companies in water and waste services (FBO Consultores - DHV international consultancy and engineering Group, Luságua - Aquapor Group and Ecoambiente - FomentInvest Group). She is currently head of Quality Department at ERSAR. With several publications focused on performance indicators, she is a member of the MARE Research Centre and belongs to the group of researchers Waste@nova, at FCT/UNL.

Loïc Charpentier

Belgium

Session Chair/Speaker

Talk: Water Reuse in EU: Regulation on Minimum Requirements and JRC Guidelines on Risk Management Plan



Water Policy Manager, Water Europe

Loïc Charpentier is the manager of the advocacy program of Water Europe, the European association of the innovative water sector. He also contributes to the communication of EU research & innovation projects on behalf of Water Europe to the European institutions and manages the MEP Water Group's secretariat. He is

also involved in different European research clusters and the chairman of the Policy working group of the ZeroPollution4Water cluster. He is a member of the Brussels Sustainability Club. With a background in law and a master in European studies, Loïc worked previously at the European Association of Research and Technology organisations as policy assistant. In 2017, he received the College of Europe – Arenberg European Prize for its master thesis, a comparative study of the European integration and the creation of the federal states of Indonesia.

Maria Rosa

Portugal

Speaker

Talk: EU Directive on Urban Wastewater Treatment: News and Challenges



Principal Researcher, LNEC, the National
Laboratory for Civil Engineering

Maria João Rosa, Principal researcher at LNEC, Head of LNEC's Urban Water Unit and coordinator of the R&D Group on Water Quality, Treatment, and Reuse. R&D and advanced consultancy projects for the water industry, water services regulator and governmental agencies, many on the control of contaminants of emerging concern in drinking water and urban wastewater treatment (LIFE Fitting, LIFE Impetus). B-WaterSmart Lisbon Living Lab mentor, international expert on water reuse (ISO, IWA).

Bruno Ameduri

France

Speaker

Talk: On the Overall situation of Poly- or Perfluoroalkyl Substances (PFASs) including Fluoropolymers



Senior Researcher, Institute Charles Gerhardt,
CNRS

Dr. Bruno Ameduri is a Senior Researcher (DR CNRS) at Institute Charles Gerhardt in Montpellier, France. After a MSc degree at Laval University, Quebec, Canada (1984-1986), he did an internship at IBM, San Jose, California and came back to France for starting his PhD (1988); then joined CNRS the same year. His main interests focus on the synthesis and the characterization of fluorinated monomers, telomers, and copolymers

for various applications such as F-elastomers, F-coatings, and F-polymers related to energy (fuel cell membranes, polymer gel electrolytes for Li-ions batteries, piezo-, ferro- or electroactive films, and nanocomposites). These new FPs have led various applications via industrial collaborations with Arkema, DuPont, Great Lakes/Chemtura, Honeywell, Pall and many academic Labs all over the world. Coauthor of seven books (a recent one on PFAS), >50 reviews or book chapters, >420 peer review publications and coinventor of more than 80 patents, he is also a member of the French Chemical Societies and is a member of the Editorial Boards of the Journal Fluorine Chemistry, European Polymer Journal, Polymer Bulletin. In 2012, he received the Award for outstanding contribution and innovation in Fluoropolymer Science and 2024 is recipient of International Prizes for Society of Polymer Science, Japan and the Asian Polymer Association. Besides Science, Bruno enjoys cycling and has some volunteered activities, dressed in clown to visit sick children in the hospitals of Montpellier and in Japan.

High-Throughput Methodologies for the Determination of DBPs, CECs, PFAS, Microplastics, ARB and ARGs

Félix Hernández

Spain

Session Chair



Head of the Institute for Pesticides and Water,
University Jaume I

Prof. Félix Hernández is full Professor Analytical Chemistry, coordinator of Analytical Chemistry and Public Health research group (around 25 scientists), and head of the Institute for Pesticides and Water, Univ Jaume I, Castellón, Spain. He is also the director of the GLP-certified Laboratory of Pesticide Residue Analysis at this University. His research is focused on advanced chromatography-mass spectrometry applied to the environmental, food-safety and toxicology fields (e.g. wide-scope screening for organic pollutants in water and food based on HRMS; Wastewater-Based Epidemiology; investigation of metabolites and transformation products of organic micropollutants; illicit drugs and new psychoactive substances, metabolomics, etc). Responsible of around 60 research projects; around 400 ISI-scientific papers (h index=78); supervisor of 26 PhD.

Maria Farré

Spain

Speaker

Talk: Targeted and Non-targeted Analysis of Disinfection Byproducts in Drinking Water



Senior Researcher, Catalan Institute for Water
Research, ICRA

Dr. Maria José Farré (PhD 2007 UAB, Spain) is a research scientist and former MSCA (EC, 2014-2017) and Ramon y Cajal fellow (AEI-MICIU, 2017-2022) at the Catalan Institute for Water Research (ICRA, Spain). She has been working in the field of disinfection by-products since 2008, first at the Advanced Water Management Center (UQ, Australia) and since 2014 at ICRA. María José investigates water treatment with a

multidisciplinary approach and in close collaboration with the water industry, focusing on public health, civil and environmental engineering, and analytical chemistry. She is the scientific coordinator of the Horizon Europe project intoDBP "Innovative tools to control organic matter and disinfection byproducts in drinking water".

José Quintana

Spain

Speaker

Talk: *Analytical Methodologies for Contaminants of Emerging Concern (CECs), including Per-/poly-FluoroAlkylated Substances (PFAS)*



Associate Professor, Aquatic One Health Research Center (iARCUS), Universidade de Santiago de Compostela

Dr. José Quintana is an associate professor at the University of Santiago de Compostela since 2013, with a vast experience in the analysis and investigation on the fate of organic micropollutants in the aqueous environment. In particular, he is interested into the use of chromatography coupled to mass spectrometric techniques for persistent and mobile organic chemicals and other contaminants of emerging concern. Other topics of interest include the analysis of drugs of abuse and wastewater-based epidemiology applications. He has published over 140 articles and several book chapters and is a member of the editorial board of Science of the Total Environment and in the Belgium funding agency FWO projects panel for chemistry.

Maria Sousa

Portugal

Speaker

Talk: *Challenges and Methodologies for Sampling and Determination of Microplastics in Wastewaters, Inland Surface Waters, and Marine Waters*



Area Manager of Organic Chemistry, Laboratory Águas e Energia do Porto, E.M.

Maria Augusta Sousa obtained her Ph.D. in Pharmaceutical Sciences – Hydrology (2013), from the Faculty of Pharmacy of the University of Porto (FFUP). Concurrently, she also acted as Invited Lecturer at FFUP. From

2013 to 2015, she was a Contract Employee at the U.S. Food and Drug Administration and, in 2019, she got her MBA degree at Porto Business School. At present, M. A. Sousa is the Area Manager of Organic Chemistry, at the Laboratory of Águas e Energia do Porto, being responsible for quality control analyses and new method development and validation for the determination of different organic parameters.

Juan Echeandía

Spain

Speaker

Talk: *Challenges and Methodologies for Sampling and Determination of Microplastics in Wastewaters, Inland Surface Waters, and Marine Waters*



Senior Researcher, Spanish Institute of Oceanography (IEO-CSIC)

Juan Echeandía completed his PhD at the University of Vigo (Spain) in 2009, working on the biogeochemical cycling of trace metals in seawater, from the coast to oceanic waters. After three postdoctoral periods: LEMAR-UBO (Brest, France), IPIMAR (Lisbon, Portugal) and Instituto de Investigaciones Marinas (IIM-CSIC) (Vigo, Spain), he joined the Marine Pollution Group of the Spanish Institute of Oceanography in 2016 with a permanent position. His scientific interests include biogeochemistry and trace element oceanography, including their organic speciation. In recent years he has been working on the study of interactions between microplastics and metals due to the growing interest and social concern. To date he has more than 70 publications in SCI journals, has participated as PI in several national and international projects and has supervised 3 PhD theses.

Olga Nunes

Portugal

Speaker

Talk: *Methodologies for the Determination of Antibiotic-Resistant Bacteria (ARB) and Antibiotic-Resistance Genes (ARGs) in Environmental Samples*



Associate Professor, Faculty of Engineering of the University of Porto

Olga C. Nunes holds a Ph.D. in Biochemistry/Microbiology from the Faculty of Science and Technology of the University of Coimbra and is an Associate Professor at the Faculty of Engineering of the University of Porto. She is a senior researcher at LEPABE, an R&D unit classified as "Excellent" by the Portuguese Science Foundation (FCT), which is part of the ALICE associate laboratory. Her research focuses on environmental microbiology, especially bioremediation and microbial ecology and biodiversity. Her main interests include the study of the effects of anthropisation on bacterial communities, the assessment of the associated impacts and methods to mitigate them. She is (co-)author of more than 145 articles in leading international scientific journals and 29 book chapters. According to Scopus, she has a h-index of 46 and more than 8500 citations.

Rogério Nogueira

Portugal

Speaker

Talk: Real-Time Monitoring



Head of Photonics, Instituto de Telecomunicações

Rogério Nogueira is Principal Research Scientist at Instituto de Telecomunicações (IT) and the national coordinator of the Optics and Photonics Thematic Line for IT. He is Vice-President/Co-founder of the Portuguese Optical Society and President of the Portuguese branch of the International Commission for Optics (ICO). He is also member elected of the Board of Stakeholders of the Photonics21 PPP. He has co-authored >500 publications including books, books chapters and 8 patents related to optical sensors and communications. Serves the scientific community by being Chair and TPC member of renowned international conferences in the field of optical sensors and optical communications. Dr Nogueira has also relevant experience in the industry. He was co-founder of Watgrid SA, Innovation manager at Nokia Siemens Networks and Coriant and was also General Director of the Creative Science Park. The research interests include design and production of optical components, optical sensors, microwave photonics and fiber optical communication systems.

Environmental and Health Impacts and Prevention Measures

Paola Verlicchi

Italy

Session Chair



Associate Professor, University of Ferrara

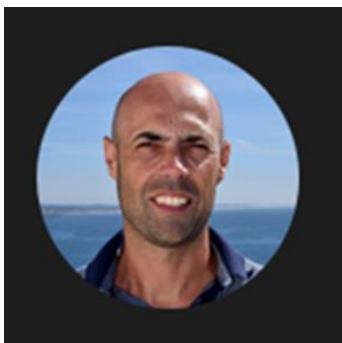
Degree in Chemical Engineering at the University of Bologna, Italy, PhD in Environmental and Safety Chemical Engineering. Assistant researcher at the University of Bologna and then of Ferrara. Associate Professor in Environmental and Sanitary Engineering at the University of Ferrara, Italy. Her main research fields include water and wastewater treatments and options for reuse, occurrence and removal of contaminants of emerging concerns (mainly pharmaceuticals) from (waste)water, hospital effluent management and treatment, environmental risk assessment, water and sanitation safety plans. Author and co-author of more than 140 peer-reviewed scientific publications. Editors of three books in Springer and Elsevier and one in Italian by Hoepli. Scientific Responsible of three European projects: H2020-SafewaterAfrica (2016-2019), H2020-MSCA Nowelties (2019-2023) and EraNET-JPI SERPIC (2019-2024). Editor of WST, special issue editor and Associate editor in STOTEN, Coeditor in chief of ENMM.

Miguel Santos

Portugal

Speaker

Talk: *Ecotoxicology of Contaminants of Emerging Concern: Key Challenges and Approaches*



Assistant Professor at the Faculty of Sciences of the University of Porto and Group Leader at CIIMAR

Miguel Santos is a professor at the Dept. of Biology of the Faculty of Sciences, University of Porto, and a researcher at the Interdisciplinary Centre for Marine and Environmental Research (CIIMAR) of the University of Porto where he coordinates the group of Endocrine Disruptors and Emerging Contaminants, <https://www.ciimar.up.pt/pt-pt/teams/endocrine-disruptors-and-emergent-contaminants/>. His main focus of research has been the hazard assessment of endocrine disrupting chemicals and other priority and

contaminants of emerging concern. He has been working towards the implementation of the Water framework directive and the Marine Strategy Framework Directive.

Daniela Meilmann

Israel

Speaker

Talk: *Understanding DBPs: Ranking, Environmental Impacts and Associated Health Risks*



International Business Development Director,
DHVMED

Daniela has over twenty three years' experience in the field of environmental engineering and sustainability, with particular focus on compliance and operational management. An Environmental engineer by training, Daniela managed many projects worldwide covering Brazil, USA, Finland, Israel and across Europe, covering a variety of industries: Construction, Hospitality, Electronics, Housing, Manufacturing, Oil and paper industry, ICT and Telecoms in the areas of corporate sustainability, risk assessments, auditing and reporting. Over the years, she has developed rounded expertise, while working with large corporations local and national governments, SMEs, NGOs, in developing practical tools and world-class scientific methods for the assessment of KPIs that promote innovation and sustainability. Daniela (MSc from the University of Edinburgh, Scotland) is a Chartered Environmentalist and a Member of the Institute of Environmental Management and Assessment (England).

Vera Homem

Portugal

Speaker

Talk: *Back to Basics: Key Principles and Approaches in Environmental Risk Assessment*



Assistant Professor, Faculty of Engineering of the
University of Porto

Vera Homem received her PhD in Environmental Engineering from the Faculty of Engineering of the University of Porto (FEUP) in 2011 and is currently an Assistant Professor at the same institution. Her research focuses on analytical chemistry, particularly instrumental analytical methods for the determination of

emerging contaminants at trace levels in the environment. Her research strategy also includes the creation of an integrated and multidisciplinary approach to the treatment and management/valorisation of wastewater and sewage sludge through the detection and mitigation of emerging risks, the development of environmental risk assessment studies, prioritisation systems and plant uptake studies.

Technologies for Control of DBPs, CECs, PFAS, Microplastics, ARB and ARGs

Olívia Soares

Portugal

Session Chair



Assistant Researcher, Faculty of Engineering of the
University of Porto

Salomé Soares has a background in the field of Chemical and Environmental Engineering, focused on heterogeneous catalysis, having relevant experience in the design of nanostructured materials, metal-free, supported metal or metal oxide catalysts, as well as in their application in environmental technologies (water/wastewater treatments, abatement of air pollutants), CO₂ valorisation, electrochemical energy conversion, and smart textiles. She co-authored more than 160 publications in ISI-indexed papers (h-index 36) and more than 200 communications in conference proceedings and co-inventor of 4 patent applications.

Chedly Tizaoui

United Kingdom

Speaker

Talk: Ozone Processes for Emerging Water Threats



Professor of Chemical Engineering, Swansea
University

Chedly Tizaoui is a Full Professor of Chemical Engineering at Swansea University (UK) and is the Editor-in-Chief of the journal *Ozone: Science and Engineering* (T&F) and Associate Editor of *Euro-Mediterranean Journal for Environmental Integration* (Springer Nature). His research spans over a range of advanced oxidation and separation water treatment processes including ozonation, non-thermal plasma, catalytic processes, membranes and filtration and their combinations. Tizaoui is currently leading the Water and Resources Recovery research lab, working on research projects to tackle several water and other environmental challenges. Tizaoui has extensively published peer-reviewed scientific articles in leading water, environmental, and chemical engineering research journals, book chapters, and conferences, and authored numerous professional reports. His research has been supported by grants from various sources

including research councils (e.g. EPSRC, BBSRC, the EU), industry, and government funding. Tizaoui was the Director of the Chemical and Environmental Engineering Portfolio at Swansea University, and he is a Fellow of the UK Institution of Chemical Engineers (FIChemE).

Gilles Mailhot

France

Speaker

Talk: AOPs: From their Highly Advanced and Competitive Research to Their Use in Water Treatment!



CNRS Research Director

After completing his PhD in Photochemistry in 1991, Gilles Mailhot has been a CNRS researcher since October 1992. He is now Research Director of the highest level at the Institut de Chimie de Clermont-Ferrand (ICCF) and at the Laboratoire de Météorologie Physique (LaMP), of which he is also Director, two laboratories of the University Clermont Auvergne. He recently set up an International Associated Laboratory (IAL) with the University of Wuhan (China). He has co-supervised around thirty PhD students and is co-author of more than 210 scientific articles. He has coordinated a large number of national and international projects, including many with Chinese universities. His research activities focus on chemistry and photochemistry in aquatic environments, with applications in water treatment and atmospheric chemistry.

Maria Rosa

Portugal

Speaker

Talk: Hybrid Adsorption/Membrane Processes for Controlling Organic Contaminants of Emerging Concern in Urban Water Treatment



Principal Researcher, LNEC, the National
Laboratory for Civil Engineering

Maria João Rosa, Principal researcher at LNEC, Head of LNEC's Urban Water Unit and coordinator of the R&D Group on Water Quality, Treatment, and Reuse. R&D and advanced consultancy projects for the water industry, water services regulator and governmental agencies, many on the control of contaminants of

emerging concern in drinking water and urban wastewater treatment (LIFE Fitting, LIFE Impetus). B-WaterSmart Lisbon Living Lab mentor, international expert on water reuse (ISO, IWA).

Dario Frascari

Italy

Speaker

Talk: Adsorption Processes for the Removal of Contaminants of Emerging Concern and Disinfection By-Products



Associate Professor, University of Bologna

Dario Frascari is Associate Professor of Chemical and Environmental Engineering at Bologna University, Italy. His research focuses on the development, modeling and scale-up of processes for the treatment and valorization of wastewater and groundwater, with specific focus on the removal of pharmaceuticals and the recovery of nutrients and antioxidants by adsorption. He is the technical coordinator of the MAR2PROTECT Horizon Europe project. He has been the scientific coordinator of the MADFORWATER Horizon 2020 project. He participated in numerous EU and national research projects. He published 49 articles in international scientific journals with IF and 8 chapters in international series and books.

Maria Reis

Portugal

Speaker

Talk: Biological Removal and Recovery of Micro/plastics



Full Professor, NOVA FCT

Maria Reis is a Full Professor in Environmental Biotechnology at FCT-UNL. Main research interests have been in the area of Environmental/Industrial BioEngineering, with special focus on the development of sustainable bioprocesses for the removal of pollutants from water and wastewater streams and for the exploitation of industrial wastes for the production of biopolymers and bulk chemicals, in the scope of circular economy. Within this research area, published more than 300 papers in scientific journals with peer review. Is co-author

of 4 National patents and 6 International patents. Coordinated 20 national and international projects out of which 18 European and participated as team member in 22 research projects. Elected as IWA Fellow, September 2010. She is Editor of the Water Research (Elsevier).

Marisa Almeida

Portugal

Speaker

Talk: *Nature-Based Solutions - Natural and Constructed Wetlands to Remove Pollutants and Potentiate Water Reuse*



Senior Researcher, Interdisciplinary Centre of
Marine and Environmental Research

Marisa Almeida is a senior researcher (PI of the Environmental Chemistry and Recovery team PhD) at Interdisciplinary Centre of Marine and Environmental Research (CIIMAR) with ca. 150 international peer review publications. Her main research area is bio- and phytoremediation, being actively involved in advancing the application of this biotechnology for the remediation of aquatic environments contaminated with different pollutants. She is also actively engaged in science outreach initiatives and is teaching at the Faculty of Science, University of Porto.

CFD, LCA/LCC and Digitalization

Domenico Santoro

Canada

Session Chair/Speaker

Talk: Seeing the Light, the Microbes, and the Dead Zones: Computational Fluid Dynamics (CFD) for Advanced Disinfection and Oxidation Process Analysis



Research Director, USP Technologies

Dr. Domenico Santoro is Research Director at USP Technologies, a Veralto company. His research interests include numerical modeling, disinfection, advanced oxidation, and filtration. His work on the kinetics of peracetic acid demand and its implications on wastewater disinfection is highly regarded. He has also developed detailed models for chemical disinfection of secondary effluent wastewater. With over 2,200 citations, Dr. Santoro's research continues to influence the field.

Rafael Laurenti

Sweden

Speaker

Talk: Life Cycle Thinking Applied to Drinking Water Treatment



LCA Expert, IVL Swedish Environmental Research
Institute

Rafael's primary area of expertise resides in applied Life Cycle Assessment (LCA) and method development, particularly within the domain of durable consumer goods and circular consumption. His educational background covers a bachelor's degree in industrial engineering, a master's degree in Product Development from the University of São Paulo, and a PhD in Industrial Ecology from KTH Royal Institute of Technology.

Susana Blanco

Spain

Session Chair/Speaker

Talk: Digitalization in the Water Sector: Development of a Reliable Real-Time Virtual Trihalomethane Sensor Solution for Drinking Water Facilities



Water Digitalization Expert, Cetaqua

Susana Blanco, PhD in Environmental Chemistry, is currently working in Cetaqua (Water Technology Centre) as Technical responsible in the programme of drinking water production. Her research activities range in different topics within the integrated water cycle such as sensor validation for real time control of physico chemical parameters or microorganisms, monitoring of emerging contaminants or environmental risk assessment.

Lydia Lyroudia

United Kingdom

Speaker

Talk: Digitalization in the Water Sector



Senior Researcher, University of Exeter

Dr Lydia S. Vamvakeridou-Lyroudia is the Director of Watershare (www.watershare.eu) and a Senior Researcher in KWR (www.kwrwater.nl) since June 2019. She has an engineering background, with expertise and research interests focusing mainly on computational modelling and hydroinformatics across a wide range of topics: Water Supply/Distribution Systems, System Dynamics Modelling, the Water-Energy-Food Nexus, Circular Economy and Artificial Intelligence for Water Systems. Before joining KWR Lydia was, since 2003, a Senior Research Fellow at the Centre for Water Systems, University of Exeter, where she is still maintaining a part-time position, working on EU-funded projects. Over the course of many years, Lydia has also developed an extensive track record and expertise in international and EU-funded projects. She is in the leading group, coordinating the ICT4WATER cluster (www.ict4water.eu), and has been playing an active role in Water Europe (<https://watereurope.eu/>), where she is a member of the Vision Leadership Team for Digital Water.

Workshop on Wastewater Treatment and Reuse - Part I

Maria Rosa

Portugal

Session Chair



Principal Researcher, LNEC, the National
Laboratory for Civil Engineering

Maria João Rosa, Principal researcher at LNEC, Head of LNEC's Urban Water Unit and coordinator of the R&D Group on Water Quality, Treatment, and Reuse. R&D and advanced consultancy projects for the water industry, water services regulator and governmental agencies, many on the control of contaminants of emerging concern in drinking water and urban wastewater treatment (LIFE Fitting, LIFE Impetus). B-WaterSmart Lisbon Living Lab mentor, international expert on water reuse (ISO, IWA).

Nuno Brôco

Portugal

Speaker

Talk: Water Reuse Strategies in Portugal



Chairman/CEO, Águas do Tejo e Atlântico

Nuno Brôco has 25 years of experience in private and public company management and is currently the Chairman and CEO of Águas do Tejo Atlântico, the AdP group largest company on wastewater management. He's also board member of Water Europe. Previously he was Chairman and CEO of AdP VALOR, the AdP Group company responsible to foster innovation, digital transition and circular economy. During 11 years he has been Head of the Engineering Department of Águas de Portugal Group and also responsible for the Corporate Innovation in AdP Group. Starts his career with SUEZ Group, as specialist in water and wastewater treatment processes, then as Head of the Degrémont Portugal Production Department and finally as Degrémont Iberia Country Manager for Portugal.

Achim Ried

Germany

Speaker

Talk: Status Implementation of EU Reuse Regulation 2020/741 in Germany - Wastewater Reuse for agriculture and urban irrigation



Xylem Distinguished Engineer

Achim Ried obtained his Diploma in Chemistry at the University of Marburg (Germany) in 1988 and his Ph.D. in Environmental Chemistry in 1992. He is member in different water related organisations e.g. IWA (Member of the German National Committee), International Ozone Association (past International President), Association of German Chemists (GDCh) and active member of working groups of German Water Associations (DWA, DVGW). His research interests are in the fields of water and wastewater treatment and Water Reuse.

Paola Verlicchi

Italy

Speaker

Talk: The Reuse of Reclaimed Water in Italy: Polishing Treatments, Destination, Risk Assessment



Associate Professor, University of Ferrara

Degree in Chemical Engineering at the University of Bologna, Italy, PhD in Environmental and Safety Chemical Engineering. Assistant researcher at the University of Bologna and then of Ferrara. Associate Professor in Environmental and Sanitary Engineering at the University of Ferrara, Italy. Her main research fields include water and wastewater treatments and options for reuse, occurrence and removal of contaminants of emerging concerns (mainly pharmaceuticals) from (waste)water, hospital effluent management and treatment, environmental risk assessment, water and sanitation safety plans. Author and co-author of more than 140 peer-reviewed scientific publications. Editors of three books in Springer and Elsevier and one in Italian by Hoepli. Scientific Responsible of three European projects: H2020-SafewaterAfrica (2016-2019), H2020-MSCA Nowelties (2019-2023) and EraNET-JPI SERPIC (2019-2024). Editor of WST, special issue editor and Associate editor in STOTEN, Coeditor in chief of ENMM.

Camila Amorim

Brazil

Speaker

Talk: Challenges Associated with Wastewater Treatment and Reuse in Brazil



Associate Professor, Federal University of Minas
Gerais

Prof. Camila Amorim is an Environmental Engineer with a PhD degree in Sanitation, Environment and Water Resources (Federal University of Minas Gerais, Brazil). Since 2010, Dr. Amorim has been an Associate Professor at the Department of Sanitary and Environmental Engineering/UFMG where she is involved with teaching (undergraduate and graduate levels) and research activities. Dr. Amorim has been the head of the Research Group on Environmental Application of Advanced Oxidation Processes GruPOA since 2011. As a leader, she guides research on the development and application of different advanced oxidation processes applied to water and wastewater (domestic and non-domestic, including hospital effluents) treatment focusing on disinfection, removal of antimicrobial resistant bacteria and genes as well as contaminants of emerging concern (CEC) to improve effluent quality for reuse in agriculture. Her researchers also focus on environmental monitoring, water and wastewater treatment, and environmental assessment impact. She has coordinated the Aneel/CEMIG Research and Development project on the use of multispectral sensors to monitor water quality in hydroelectric reservoirs. Currently, she is the coordinator the Petrobras Research and Development Project on innovative strategies for management and recovery of aquatic ecosystems for the supply the oil and gas industry: diagnosis, monitoring, mitigation and prevention of anthropogenic pressures and hydrological risks.

Suresh Pillai

Ireland

Speaker

Talk: Overview of the EU-India Collaboration on Water Treatment Technologies



Head of Nanotechnology and Bio-Engineering
Research Group, Atlantic Technological University

Suresh C. Pillai completed PhD from Trinity College Dublin, Ireland and then performed his postdoctoral research at the California Institute of Technology (Caltech), USA. He is the recipient of various awards, such as 'The Boyle-Higgins Award 2019', 'The Linus Pauling Lecture Award 2020', 'The Industrial Technologies Award 2011' and 'The Enterprise Ireland Research Commercialization Award 2009'. Currently, he is Executive Editor for the journals Results in Engineering and the Chemical Engineering Journal.

Rui Veigas

Portugal

Speaker

Talk: Reclaimed Water Distribution: Chlorine Decay Modelling and Case Study Application



Assistant Researcher, LNEC, National Laboratory
for Civil Engineering

Rui Viegas, PhD in Chemical Engineering, Assistant Researcher at LNEC in the Urban Water Unit. He has participated/led several EU and Portuguese projects and published work on: (i) water & wastewater quality, treatment & reuse; (ii) advanced water treatment modelling & optimization (membranes, adsorption, hybrid processes) for emerging contaminants control; (iii) Water quality & safety in distribution systems. ISO/TC 282 – water reuse expert.

Sérgio Silva

Portugal

Speaker

Talk: Innovative Strategies for Industrial Wastewater Reuse: A Case Study and Practical Approaches



CEO, ADVENTECH

Sérgio Castro-Silva is the Founder and Chief Executive Officer of ADVENTECH - Advanced Environmental Technologies, Lda since 2008. He is also the Chief of R&D Department of this company. Coordinator of the development of new products and projects of WWTP's (WasteWater Treatment Plants). Graduate in Chemical Engineering by the University of Coimbra (1997).

Manuel Pereira

Portugal

Speaker

Talk: An overview of project GIATEX - Intelligent Water Management in the Textile and Clothing Industry



Full Professor, Faculty of Engineering of the
University of Porto

M. Fernando R. Pereira is Full Professor and head of the Chemical Engineering Department at the Faculty of Engineering, University of Porto (FEUP). He is the coordinator of the LCM (member of the LSRE-LCM research unit) from 2020, coordinator of the thematic line Environment at ALiCE – Associate Laboratory in Chemical Engineering. His main research interests are heterogeneous catalysis, carbon materials, advanced oxidation processes, environment and energy, biomass conversion, functional materials and smart textiles. In these areas, he has supervised 25 PhDs, coordinated 27 research projects, published 393 scientific papers, nº of citations is 24784, and the H-index is 80 (Scopus, 5/2024).

Beatrice Cantoni

Italy

Speaker

Talk: Closed-Loop Water Systems in Textile Industrial Districts: Orchestrated Removal of Emerging Pollutants from Textile Wastewater



Junior-Assistant Professor, Department of Civil and
Environmental Engineering, Politecnico di Milano

Since her PhD, obtained in 2021, she has been working on human and environmental risks and treatments of emerging contaminants in water. She grew her international network through two PhD visiting periods at KWR and German Environmental Protection Agency, and a Post-Doc at University of Western Ontario in Canada. Involved in several international and national research projects, she is Chair of the Italian Young Water Professionals network of IWA.

Célia Manaia

Portugal

Session Chair/Speaker

Talk: *AWARE - Aquaponics from Wastewater Reclamation*



Associate Professor, Escola Superior de
Biotecnologia at Universidade Católica Portuguesa

Célia Manaia is an Associate Professor at Escola Superior de Biotecnologia at Universidade Católica Portuguesa (ESB/UCP). Her research combines interests in bacterial systematics and ecology at human-environment interfaces, with particular focus on antibiotic resistance. She has a broad network of international and multidisciplinary collaborations and the recognition of her contributions has been acknowledged through invitations to projects, evaluation panels, invited lectures, or the Clarivate™ Highly Cited Researcher (2020-) award in the category Environment and Ecology. She is the President of the Committee of Ethics in Technology, Social Sciences and Humanities at the UCP (2022-), Vice-President of the Portuguese Society of Microbiology (2017-) and Vice-President of the International Committee on Systematics of Prokaryotes (2023-), responsible for the naming of prokaryotes.

Despo Fatta-Kassinou

Cyprus

Speaker

Talk: *Advancing Water Purification: PANIWATER's Innovations in Tackling Contaminants of Emerging Concern for Safe Irrigation and Drinking Water*



Professor, University of Cyprus

She holds a Diploma and a PhD in Chemical Engineering from the National Technical University of Athens. Since 2003, she has attracted 14.4 million € as project coordinator/principal investigator. She is a Highly Cited Researcher since 2018. In 2022 she received the Noack Laboratorien Outstanding Science Career Award by The Society of Environmental Toxicology and Chemistry (SETAC).

Zouhayr Arbib

Marroco

Speaker

Talk: *Anaerobic Processes Combined with Membranes to Ensure Water Reuse and Net Energy Production*



Area Manager at R&D Department, Aqualia

Zouhayr Arbib is a Technical Industrial Engineer, Master in Water Management. He holds a PhD in Environmental Technology from the University of Cádiz. In 2012 he joined Aqualia as a process engineer at the innovation and technology department, In 2014 he was appointed as area manager. He has participated in more than 35 competitive research projects subsidized by different national and international entities. He is the co-author of 5 book chapters, 5 national and international patents, and around 50 communications in national and international magazines and conferences.

Workshop on Wastewater Treatment and Reuse - Part II

Nuno Brôco

Portugal

Session Chair



Chairman/CEO, Águas do Tejo e Atlântico

Nuno Brôco has 25 years of experience in private and public company management and is currently the Chairman and CEO of Águas do Tejo Atlântico, the AdP group largest company on wastewater management. He's also board member of Water Europe. Previously he was Chairman and CEO of AdP VALOR, the AdP Group company responsible to foster innovation, digital transition and circular economy. During 11 years he has been Head of the Engineering Department of Águas de Portugal Group and also responsible for the Corporate Innovation in AdP Group. Starts his career with SUEZ Group, as specialist in water and wastewater treatment processes, then as Head of the Degrémont Portugal Production Department and finally as Degrémont Iberia Country Manager for Portugal.

José López

Spain

Speaker

Talk: Wastewater Regeneration by the Solar Photo-Fenton Process: From the Lab to the Plant. LIFE ULISES & LIFE PHOENIX Projects



Professor at the University of Almería, Director of the Solar Energy Research Center (CIESOL)

Professor of Environmental Chemical Engineering at the University of Almeria. Director of the Solar Energy Research Centre since 2022 and member of the research group "Bioprocess Engineering and Water Technologies" since its creation. Member of the Advisory Board of the Aqualia Chair of the Integral Water Cycle since 2022. He holds a degree in Chemical Sciences from the University of Almeria (1998) and a PhD in Chemical Engineering from the same institution (2004). He was awarded the Extraordinary Doctorate Award in 2004. He has participated in 23 research projects, mostly devoted to water treatment, in regional, national

and European calls, directing six of them, three European, one national and two regional projects. He has also participated in 13 contracts with companies, directing four of them. He has supervised six doctoral theses since 2006. In the Scopus platform, he has 72 publications, with more than 2700 citations and an h-index of 31.

Catarina Silva

Portugal

Speaker

Talk: *Demonstrating the Control of Pharmaceutical Compounds in Large Activated Sludge Wastewater Treatment Plants - LIFE Fitting*



Assistant Researcher, LNEC, the National
Laboratory for Civil Engineering

Catarina Silva. Environmental Engineer (2006). PhD in Environmental engineering (2016). Assistant researcher at LNEC – the National Civil Engineering Laboratory, in the Urban Water division of the Hydraulics and Environment Dept. She has 17-years experience in performance assessment and benchmarking of water and wastewater treatment plants, with special focus on energy efficiency and control of contaminants of emerging concern, and strategic asset management.

Francisco Omil

Spain

Speaker

Talk: *Potential of Decentralized Wastewater Treatment for Preventing the Spread of Antibiotic Resistance, Organic Micropollutants, Pathogens and Viruses (PRESAGE Project)*



Full Professor, University of Santiago de
Compostela

Full Professor in the Dept. of Chemical Engineering of the University of Santiago de Compostela (Spain) since 2010. My research activities are focused on the development of processes based on bioreactors for the treatment of urban and industrial wastewater (removal of conventional and emerging pollutants such as

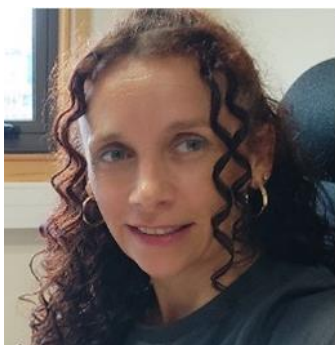
organic micropollutants, drugs, recalcitrant compounds). Besides, I have been deeply involved in university management: ViceDean of the School of Engineering (2012-2018) and Coordinator of the MSc in Environmental Engineering since 2008. I have spent around 3 years in private companies (1991-1993).

Raquel Arenas

Spain

Speaker

Talk: The BlueWater Project: Assessment, Monitoring and Removal of Microplastics and Contaminants of Emerging Concern in Urban Wastewater and in the Masses of the Galicia-North Portugal Transboundary Region



Technician at the Control and Management of the Marine Environment Department, Centro Tecnológico del Mar – Fundación CETMAR

Raquel Diez Arenas has a Degree and a PhD in Marine Sciences from the Department of Marine Geosciences and Spatial Planning, University of Vigo, where she worked as a full-time researcher for about eight years, and participated in many research projects related to marine stratigraphy, sedimentology and geophysics. From June 2008 to present, she has been working in the Technology Centre of the Sea (Centro Tecnológico del Mar – Fundación CETMAR) as Technician of the Department of Control and Management of the Environmental and the Marine Resources, where she has participated in many European, national and regional projects and initiatives related with marine pollution, marine spatial planning, marine resources and the protection of the marine environment.

João Araújo

Portugal

Speaker

Talk: ALERT-PFAS: Transnational Strategy for the Detection and Prevention of Water Pollution by PFAS



Senior Researcher, NOVA School of Science and Technology

Doctor in Chemical Engineering (PhD Dec. 2009), Senior Researcher (since 01-03-2015). Author of 75+ publications in international peer reviewed journals (Index H = 33, H10 = 62, 4383 citations), 73 proceedings

in national/international conferences, 225+ contributions in national/international conferences (24 invited oral communications, 72 oral communications and 130 poster communications). He has participated in 25 funded projects (4 of them EU, as coordinator/co-coordinator). His research experience encompasses areas from liquid chromatography field, mainly in the intensification of the simulated moving bed technology, to the development of ionic liquids and eutectic systems as novel, advanced, smart materials (critical evaluation in the field of green chemistry) and their study in separation/purification processes, aqueous biphasic systems, solubilisation and aggregation mechanisms, biomass valorisation, drug delivery, as well as the development of pharmaceutically active ionic liquids and eutectic systems. Additionally, it focuses on the development of technologies for the removal and implementation of circular economy for fluorinated compounds (greenhouse fluorinated gases (F-gases) and PFAS).

Domenico Santoro

Canada

Speaker

Talk: Advancing Municipal Wastewater Disinfection with Novel Disinfectants and Advanced Process Control Strategies



Research Director, USP Technologies

Dr. Domenico Santoro is Research Director at USP Technologies, a Veralto company. His research interests include numerical modeling, disinfection, advanced oxidation, and filtration. His work on the kinetics of peracetic acid demand and its implications on wastewater disinfection is highly regarded. He has also developed detailed models for chemical disinfection of secondary effluent wastewater. With over 2,200 citations, Dr. Santoro's research continues to influence the field.

Jan Mante

Germany

Speaker

Talk: Effluent Ozonation in Urban Wastewater Treatment Plants – A Growing Opportunity to Exploit Synergies in the Activated Sludge Process



International Senior Expert Water treatment, Air
Liquide

Jan was born in Berlin, where he also studied process engineering as well as environmental engineering. In 2007 he joined the Air Liquide team of application specialists dealing with the use of technical gases such as oxygen, CO₂ and ozone in the field of water treatment. Today as International Senior Expert he has led numerous large-scale ozonation projects and was substantially involved in the development of the Ozone Strong Water technology.

Arnaldo Araújo

Portugal

Speaker

Talk: The Issues of using Oxygen from Electrolysis for Ozone Generation



International Senior Expert Pulp&Paper/Water
Treatment, Air Liquide

Arnaldo was born in Lisbon, where he studied Chemical Engineering and did an MBA. After 6 years working in a pulp mill, in 1995 he joined the Air Liquide team of application specialists dealing with the use of industrial gases such as oxygen, CO₂ and ozone in the field of water treatment and Pulp&Paper. As an International Senior Expert he led large-scale ozone projects and is also involved in developing effluent treatment technologies involving industrial gases.

Camilla Khrulova

Sweden

Speaker

Talk: Preserving Fresh Produce Quality: The Crucial Role of Process Water



Head of Food, JC Environment AB, Arrow Lake AB

Camilla Khrulova, MBA. Advancing controlled ozone solutions in the food industry for over 10 years. ESG goal 12.3 champion, ensuring the reduction of product loss, while preserving the water resources. Founder of JC Environment Head of food and beverage at Arrow Lake AB. Patent holder System and method for treating a food item” (EP3987939A1)

Co-creation Workshop: Future Challenges in Drinking Water Sector - Public Engagement, Communication and Raising Awareness - Part I

Rui Martins

Portugal

Session Chair/Speaker

Talk: H2OforAll: Innovative Integrated Tools and Technologies to Protect and Treat Drinking Water from Disinfection ByProducts (DBPs)



Associate Professor, University of Coimbra

Rui C. Martins, PhD in Chemical Engineering is an Associate Professor at the University of Coimbra, specializing in Chemical Engineering with a focus on environmental remediation through Separation and Reaction Engineering. Martins has significant contributions in water treatment including 9 book chapters, 147 articles in international peer-reviewed journals, and a patented innovation. He co-founded Adventech, a spin-off from the University of Coimbra, and in 2019, he co-founded Envitecna, both dedicated to environmental technology development. Martins has been involved in 21 funded projects and has coordinated several, including the Horizon Europe project - H2OforAll: Innovative integrated tools and technologies to protect and treat drinking water from disinfection byproducts (DBPs).

Loïc Charpentier

Belgium

Speaker

Talk: ZeroPollution4Water Cluster – Goals and Challenges



Executive Publisher of Elsevier for Chemical and Environmental Engineering, Elsevier Water Policy Manager, Water Europe

Loïc Charpentier is the manager of the advocacy program of Water Europe, the European association of the innovative water sector. He also contributes to the communication of EU research & innovation projects on behalf of Water Europe to the European institutions and manages the MEP Water Group's secretariat. He is also involved in different European research clusters and the chairman of the Policy working group of the

ZeroPollution4Water cluster. He is a member of the Brussels Sustainability Club. With a background in law and a master in European studies, Loïc worked previously at the European Association of Research and Technology organisations as policy assistant. In 2017, he received the College of Europe – Arenberg European Prize for its master thesis, a comparative study of the European integration and the creation of the federal states of Indonesia.

Maria Farré

Spain

Session Chair/Speaker

Talk: intoDBP: Innovative Tools to Control Organic Matter and Disinfection Byproducts in Drinking Water



Senior Researcher, Catalan Institute for Water Research, ICRA

Dr. Maria José Farré (PhD 2007 UAB, Spain) is a research scientist and former MSCA (EC, 2014-2017) and Ramon y Cajal fellow (AEI-MICIU, 2017-2022) at the Catalan Institute for Water Research (ICRA, Spain). She has been working in the field of disinfection by-products since 2008, first at the Advanced Water Management Center (UQ, Australia) and since 2014 at ICRA. María José investigates water treatment with a multidisciplinary approach and in close collaboration with the water industry, focusing on public health, civil and environmental engineering, and analytical chemistry. She is the scientific coordinator of the Horizon Europe project intoDBP "Innovative tools to control organic matter and disinfection byproducts in drinking water".

Beatrice Cantoni

Italy

Speaker

Talk: SafeCREW: Climate-Resilient Management for Safe Disinfected and Non-Disinfected Water Supply Systems



Junior-Assistant Professor, Department of Civil and Environmental Engineering, Politecnico di Milano

Since her PhD, obtained in 2021, she has been working on human and environmental risks and treatments of emerging contaminants in water. She grew her international network through two PhD visiting periods at KWR and German Environmental Protection Agency, and a Post-Doc at University of Western Ontario in Canada. Involved in several international and national research projects, she is Chair of the Italian Young Water Professionals network of IWA.

Luís Simas

Portugal

Speaker

Talk: *The Regulatory Approach to Disinfection By-Products*



ERSAR Board Adviser

He has a degree in Biochemistry from the Faculty of Sciences of the University of Lisbon and a postgraduate qualification in Water Quality and Pollution Control from the Faculty of Sciences and Technology of the University of Coimbra. Between 1995 and 2004 he was a laboratory technician for the control of water quality for human consumption at the Municipal Services of Santarém and since 2004 he has worked at ERSAR (the Portuguese regulator of water and waste services) and is currently an advisor to the Board of Directors of this regulatory body.

Paolo Roccaro

Italy

Speaker

Talk: *Upgrading Water Treatment Plants to Comply with the DBPs Standards Introduced by the Directive (EU) 2020/2184*



Full Professor, University of Catalina

Paolo Roccaro is full Professor of Sanitary and Environmental Engineering at the University of Catania (Italy). He has been Fulbright Scholar at the University of Arizona, Tucson and Visiting Scientist at the University of Washington, Seattle. His research is focused on formation and control of DBPs, removal and control of CEC

in water and wastewaters systems, wastewater reuse, modeling trace contaminants in water by spectroscopy, real-time monitoring of CEC.

Daniela Meilmann

Israel

Speaker

Talk: DBPs - A Showcase from Around the World: Prevention Measures and Practices



International Business Development Director,
DHVMED

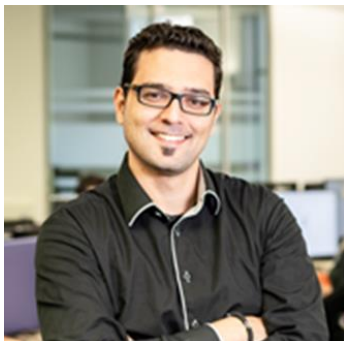
Daniela has over twenty three years' experience in the field of environmental engineering and sustainability, with particular focus on compliance and operational management. An Environmental engineer by training, Daniela managed many projects worldwide covering Brazil, USA, Finland, Israel and across Europe, covering a variety of industries: Construction, Hospitality, Electronics, Housing, Manufacturing, Oil and paper industry, ICT and Telecoms in the areas of corporate sustainability, risk assessments, auditing and reporting. Over the years, she has developed rounded expertise, while working with large corporations local and national governments, SMEs, NGOs, in developing practical tools and world-class scientific methods for the assessment of KPIs that promote innovation and sustainability. Daniela (MSc from the University of Edinburgh, Scotland) is a Chartered Environmentalist and a Member of the Institute of Environmental Management and Assessment (England).

Evangelos Pournaras

United Kingdom

Speaker

Talk: Unravelling Consumers' Awareness and Engagement with Residential Water Quality: The Case of Disinfection By Products (DBPs)



Professor of Trustworthy Distributed Intelligence,
University of Leeds

Dr. Evangelos Pournaras is Professor of Trustworthy Distributed Intelligence in the School of Computing at University of Leeds. He is also a UKRI Future Leaders Fellow (£1.4M), a Research Associate at the UCL Center

of Blockchain Technologies and has also been an Alan Turing Fellow. Evangelos has more than 5 years of research experience at ETH Zurich after having completed his PhD studies at Delft University of Technology. Evangelos has also been a visiting researcher at EPFL and has industry experience at IBM T.J. Watson Research Center. Evangelos has won the Augmented Democracy Prize, the 1st prize at ETH Policy Challenge as well as 5 paper awards and honors, including the listing of two of his project within UNESCO IRCAI Global Top-100 as 'outstanding' and 'promising'. He has published more than 100 peer-reviewed papers in high impact journals and conferences. Evangelos has extensive leadership experience and raised funding for national and EU projects such as H2OforAll, ASSET and SoBigData.

Luísa Durães

Portugal

Speaker/RoundTable



Associate Professor, University of Coimbra, CERES

Luisa Durães concluded her PhD in Chemical Engineering in 2008, and is currently Associate Professor at the University of Coimbra. She is also full member of CERES research unit. She specialized in the design, synthesis and surface modification of nanostructured materials (aerogels, core-shell and/or porous nanoparticles, films), by sol-gel technology and other soft solution approaches for multiple applications in the environment, energy and biomedical areas. She participated in 26 research projects, many of them aiming the development of modified and reinforced silica aerogels for thermal insulation and environmental remediation, which she coordinated. Her scientific record of publications was already recognized by its high citation impact by journals and the University of Stanford. Her innovative ideas were also distinguished in several technology competitions.

Co-creation Workshop: Future Challenges in Drinking Water Sector - Public Engagement, Communication and Raising Awareness - Part II

Rui Martins

Portugal

Session Chair/Speaker



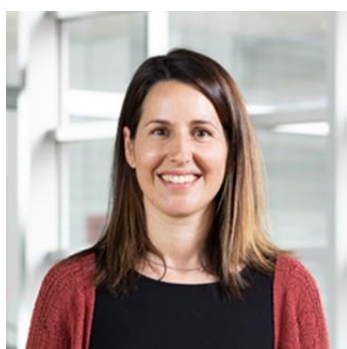
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Maria Farré

Spain

Session Chair/Speaker



Senior Researcher, Catalan Institute for Water
Research, ICRA

Dr. Maria José Farré (PhD 2007 UAB, Spain) is a research scientist and former MSCA (EC, 2014-2017) and Ramon y Cajal fellow (AEI-MICIU, 2017-2022) at the Catalan Institute for Water Research (ICRA, Spain). She has been working in the field of disinfection by-products since 2008, first at the Advanced Water Management Center (UQ, Australia) and since 2014 at ICRA. María José investigates water treatment with a multidisciplinary approach and in close collaboration with the water industry, focusing on public health, civil and environmental engineering, and analytical chemistry. She is the scientific coordinator of the Horizon

Europe project intoDBP "Innovative tools to control organic matter and disinfection byproducts in drinking water".

Jan Mante

Germany

Speaker

Talk: *Ozone Strong Water, an Innovative Side-Stream Injection Technology for Ozone Applications as Micropollutant Abatement and Disinfection*



International Senior Expert Water treatment, Air
Liquide

Jan was born in Berlin, where he also studied process engineering as well as environmental engineering. In 2007 he joined the Air Liquide team of application specialists dealing with the use of technical gases such as oxygen, CO₂ and ozone in the field of water treatment. Today as International Senior Expert he has led numerous large-scale ozonation projects and was substantially involved in the development of the Ozone Strong Water technology.

Cristian Carboni

Italy

Speaker

Talk: *O₃+BAF (Biological Activated Filter) to make Fewer Disinfection Byproducts*



Business Development Manager, De Nora Water
Technologies Italy Srl

25 years of experience in water and wastewater treatment technologies, particularly concerning disinfection. Author of numerous scientific publications and reviewer of scientific journals. Member of the scientific committee of Polo Agrifood; Board of Directors of the International Ozone Association; Board member of the Lombardy Energy Cleantech Cluster (LE2C). External expert of the European Innovation Council and Executive Agency for SMEs (EISMEA).